

ABSTRACT

A process and apparatus utilize an extrusion and zone molding process in which a polymeric material is extruded, shaped and cooled to form a primary extrusion having a shaped length of uniform cross section, zone heating is then applied to only a portion of the primary extrusion creating a molten zone in that portion, the molten zone is aligned with a section mold to mold only that portion of the primary extrusion. The portion section molded cools quickly forming a section molded portion. Although an exemplary polymeric component is described herein, a variety of components may be produced utilizing the apparatus and method described by varying the shape of either the primary extrusion component or the section molded component, or both.

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